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August 17, 1967

MEMORANDUM

TO: The committee comprising Dr. Sommers, Chm., Dr. Loosli, Dr. Reimann and Dr. Bing.

FROM: Robert C. Hockett

SUBJECT: New grant application from Theodore N. Finley, M.D. and Aaron J. Ladman, Ph.D. - No. 628.

We enclose herewith a new grant application from Drs. Theodore N. Finley and Aaron J. Ladman of the University of New Mexico School of Medicine, Albuquerque, New Mexico.

The application is supported by reprints of four recent papers on related subjects by the applicants:

1. Comparison of the Composition and Surface Activity of "Alveolar" and Whole Lung Lipids in the Dog. T.E. Morgan, T.N. Finley and H. Fralkow. Biochem. Biophys. Acta 106, 403 (1965).
2. Alterations in Pulmonary Surface Active Lipids during Exposure to Increased Oxygen Tension. T.E. Morgan, T.N. Finley, G.L. Huber and H. Fralkow. J. Clin. Invest. 44, 1737 (1965).
3. Bronchopulmonary Lavage in Normal Subjects and Patients with Obstructive Lung Disease. T.N. Finley, E.W. Swenson, W.S. Curran, G.L. Huber and A.J. Ladman. Ann. Internal Med. 66, 651 (1967).
4. The Fine Structure of the Ductuli Efferents. A.J. Ladman. The Anatomical Record 157, 559 (1967).

General evaluation of the scientific merits of the proposal is left to the committee. Staff questions are:

1. To what extent would this study duplicate or supplement others now in progress under CTR or AMA sponsorship?
2. If cigarette smoke inhalation by dogs is an essential feature of the project, do we have suitable techniques for monitored and controlled administration of whole, fresh, "normal" smoke? Are the applications willing to accept the best suggestions and guidance that the CTR staff can provide in this area from accumulated experience?
3. In their experimental design will they distinguish between chronic differences between smokers and non-smokers and short-term effects of recent smoke exposure?

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R. C. H.